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TRANSMITTAL OF FORMAL DRAWINGS

In Re Application Of: James Richard Wason

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09/616,809	July 14, 2000	Unknown	Unknown	Unknown

Invention: TEXT FILE INTERFACE SUPPORT IN AN OBJECT ORIENTED APPLICATION

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Transmitted herewith are:

3 sheets of formal drawing(s) for this application.

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Signature

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Dated: January 5, 2001

I certify that this document and attached formal drawings are being deposited on January 5 2001 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Janet Giordano
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Processing a Text File in a Computer Application

Forming a template from
fragments of the text file.

Using the template as an overlay
for parsing incoming files, or as
a prototype to generate a segment
of an output file.

Using a macro class to map data
from the text file to an application.

Embedding the macro class as a
keyword within the template, wherein
when the template reaches the
keyword, the template calls the macro
class to further process the text file.

Figure 1

1. Templates that support variable substitution and conditional or iterative generation for output files.
2. A mechanism to fill in variable substitutions in the templates.
3. A mechanism to handle iterations and conditional processing.
4. A flexible template processing mechanism which operates within an object oriented environment.
5. A flexible and easily extended formatting mechanism for output.
6. A mechanism for template creation and editing.
7. Special support for complex object presentation.
8. Templates that support parsing of the input file and mapping of its contents into a complex object structure suitable for update processing.
9. A mechanism to extract data from the input stream.
10. A mechanism to map the structure of the input file into a complex object structure suitable for internal processing.
11. A mechanism to organize the updating data from the input file and to apply it within the application.
12. A flexible and easily extended formatting mechanism.
13. A mechanism for input template creation and editing.

Figure 2

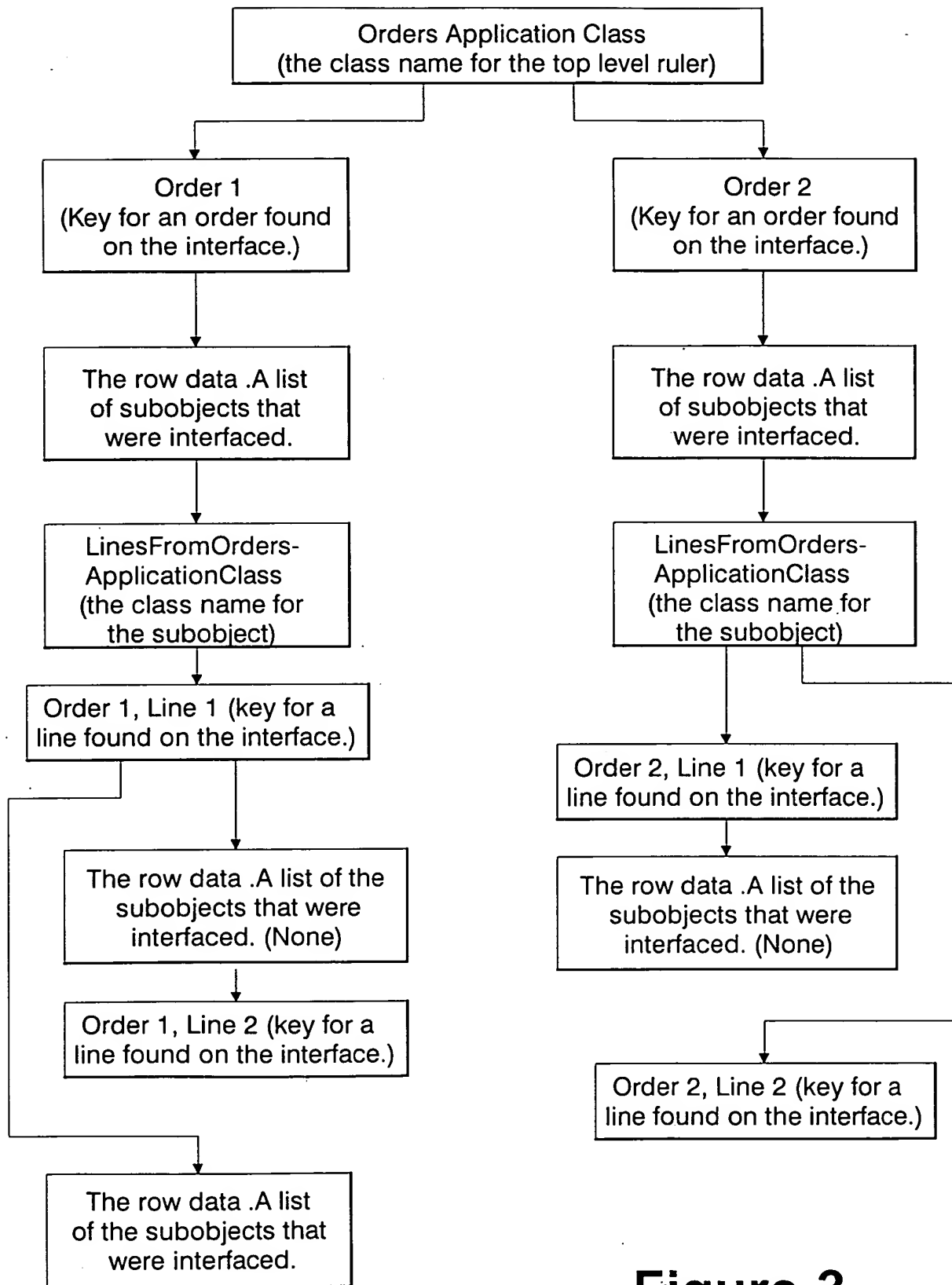


Figure 3